

### **Abstract of the Disclosure**

A hand-portable spreader blows particles, such as salt or sand, over an outdoor surface to increase friction. The spreader has a grip and accepts an extension cord to power the blower motor. The motor drives a vane impeller mounted in a housing and connected to a nozzle, similar to a leaf blower, but the intake to the impeller is arranged to suck up particles from a storage chamber. The air passes through the particles in the storage area and then through an orifice, where the air stream velocity increases and particles are picked up and levitated up into a conduit that passes to impeller. After passing through the impeller, the particles and air are ejected from a nozzle to scatter the particles over a surface such as a street or sidewalk to melt ice and snow, for use as a friction (anti-slip) agent.